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GenCore version 5.1.6

OM protein - protein search, using SW model

Run on: May 24, 2004, 08:18:47 ; Search time 586 Seconds
(without alignments)

241.320 Million cell updates/sec

Title: US-09-977-261-2

Perfect score: 2671

Sequence: 1 MAGRGLSVWRRAFHGCDSAE..... DASVSGQDAGSTSPRSQEP 507

Scoring table: BLUSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1149313 seqs, 278921704 residues

Total number of hits satisfying chosen parameters: 1149313

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

1: /cggn_6/prodata/1/pubpa/US07_PUBCOMB.pep:*

2: /cggn_6/prodata/1/pubpa/PCT_NEW_PUB.pep:*

3: /cggn_6/prodata/1/pubpa/US06_NEW_PUB.pep:*

4: /cggn_6/prodata/1/pubpa/US06_PUBCOMB.pep:*

5: /cggn_6/prodata/1/pubpa/US07_NEW_PUB.pep:*

6: /cggn_6/prodata/1/pubpa/PCFTS_PUBCOMB.pep:*

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12: /cggn_6/prodata/1/pubpa/US09_NEW_PUB.pep:*

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18: /cggn_6/prodata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	DB ID	Description
1	2671	100.0	507	9	US-09-977-269-2
2	2671	100.0	507	9	US-09-977-260-2
3	2671	100.0	507	9	US-09-977-261-2
4	2445	91.5	527	14	US-10-100-217-2
5	2422	90.7	553	14	US-10-103-380A-2
6	2012	75.3	386	14	US-10-187-900-2
7	2012	75.3	415	14	US-10-187-900-2
8	1245.5	46.6	450	9	US-09-977-269-7
9	1245.5	46.6	450	9	US-09-977-260-7
10	1245.5	46.6	450	10	US-09-977-261-7
11	1245.5	46.6	450	12	US-10-060-065-21
12	1245.5	46.6	450	14	US-059-583-42
13	1245.5	46.6	450	14	US-10-177-293-88
14	1245.5	46.6	450	14	US-10-298-377A-2
15	1245.5	46.6	450	15	US-10-116-275-121

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1
US-09-977-269-2
Sequence 2, Application US/09977269
; Patent No. US2002082037A1
; GENERAL INFORMATION:
; APPLICANT: ULRICH, AXEL
; APPLICANT: GISZKZY, MIKHAIL
; APPLICANT: SUREB, IRVINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977-269
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIORITY FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 507

ALIGNMENTS

TYPE: PRT	ORGANISM: Unknown Organism	FEATURE: OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte	OTHER INFORMATION: kinase 1
;	;	;	;
US-09-977-269-2	Query Match	Best Local Similarity 100.0%; Score 2671; DB 9; Length 507; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	1	1 MAGRGLSVWRRAFHGCDSAEELPRVSPRFLRAWHPPVSARNPTRWAPGTCIKCET 60	61 RPKGELAFRKDGVVTLAECKNSWTRVKHTSGCGGLLAGALRREALSADPKLSIM 120
Db	1	1 MAGRGLSVWRRAFHGCDSAEELPRVSPRFLRAWHPPVSARNPTRWAPGTCIKCET 60	61 RPKGELAFRKDGVVTLAECKNSWTRVKHTSGCGGLAGALRREALSADPKLSIM 120
Qy	121	PRFHGKLSQGQAVQOLQOPPEGLFLTRESARHPGDVVLCVSFRGDVHYRVHRDGHLT 180	

QY 121 PWFFGKISQEAQVQLQPPEPDGLFLVRESARHPDQYICVSFGEDVIRVLRHGHITI 180

Db 181 DEAVFCNLMDMVEVSYKOKAICLTKVPRKRKGTSKABEELARAGWLNLOHLTGQ 240

Db 181 DDAVFCNLMDMVEVSYKOKAICLTKVPRKRKGTSKABEELARAGWLNLOHLTGQ 240

Db 241 IGEGRGAVALQGEYLGOKVAKVNKTCDVTAQAFLEDETAWTMKOMHENLYRLLGVLTHQG 300

Db 241 IGEGRGAVALQGEYLGOKVAKVNKTCDVTAQAFLEDETAWTMKOMHENLYRLLGVLTHQG 300

Db 301 YIVMEHVSKGKLNVLNFRTRGRALNTAQOFLSLVAEGMEYLESKKLVRDLARNLV 360

Db 301 YIVMEHVSKGKLNVLNFRTRGRALNTAQOFLSLVAEGMEYLESKKLVRDLARNLV 360

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 421 GRAPPKMSIKEVSAEVEKGYMRPPEGCPGVHLMSSCWEAEPPARRPPRKLAEKLAR 480

Db 421 GRAPPKMSIKEVSAEVEKGYMRPPEGCPGVHLMSSCWEAEPPARRPPRKLAEKLAR 480

Db 421 GRAPPKMSIKEVSAEVEKGYMRPPEGCPGVHLMSSCWEAEPPARRPPRKLAEKLAR 480

Db 421 GRAPPKMSIKEVSAEVEKGYMRPPEGCPGVHLMSSCWEAEPPARRPPRKLAEKLAR 480

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 2 US-09-977-260-2

; Sequence 2, Application US/09977260

; Publication No. US20020192790A1

; GENERAL INFORMATION:

; APPLICANT: ULLRICH, AXEL

; APPLICANT: GISHIZKY, MIKHAIL

; APPLICANT: SURES, IRMINGARD

; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES

; FILE REFERENCE: 03B602/1259

; CURRENT APPLICATION NUMBER: US/09/977,261

; CURRENT FILING DATE: 2001-10-16

; PRIOR APPLICATION NUMBER: 08/232,545

; PRIOR FILING DATE: 1994-04-22

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 507

; TYPE: PRT

; ORGANISM: Unknown Organism

; FEATURE: Description of Unknown Organism: Megakaryocyte

; OTHER INFORMATION: kinase 1

; OTHER INFORMATION: kinase 1

US-09-977-260-2

Query Match 100.0%; Score 2671; DB 10; Length 507;

Best Local Similarity 100.0%; Pred. No. 5.8e-209; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRGLSLVSWRAFHGCDSAEELPRVSPEFLRAMPTRWRGTCITKCHT 60

Db 1 MAGRGLSLVSWRAFHGCDSAEELPRVSPEFLRAMPTRWRGTCITKCHT 60

Db 61 RPKEGELAFRKGVVTLIACENKSWYRKHTSGQEGILAGALREREALSADPKSLIM 120

Db 61 RPKEGELAFRKGVVTLIACENKSWYRKHTSGQEGILAGALREREALSADPKSLIM 120

Db 121 PWFFGKISQEAQVQLQPPEPDGLFLVRESARHPDQYICVSFGEDVIRVLRHGHITI 180

Db 181 DEAVFCNLMDMVEVSYKOKAICLTKVPRKRKGTSKABEELARAGWLNLOHLTGQ 240

Db 181 DEAVFCNLMDMVEVSYKOKAICLTKVPRKRKGTSKABEELARAGWLNLOHLTGQ 240

Db 301 YIVMEHVSKGKLNVLNFRTRGRALNTAQOFLSLVAEGMEYLESKKLVRDLARNLV 360

Db 301 YIVMEHVSKGKLNVLNFRTRGRALNTAQOFLSLVAEGMEYLESKKLVRDLARNLV 360

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

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Db 421 GRAPPKMSIKEVSAEVEKGYMRPPEGCPGVHLMSSCWEAEPPARRPPRKLAEKLAR 480

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Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 3 US-09-977-261-2

; Sequence 2, Application US/09977261

; Publication No. US20030054527A1

; GENERAL INFORMATION:

; APPLICANT: ULLRICH, AXEL

; APPLICANT: GISHIZKY, MIKHAIL

; APPLICANT: SURES, IRMINGARD

; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES

; FILE REFERENCE: 03B602/1259

; CURRENT APPLICATION NUMBER: US/09/977,261

; CURRENT FILING DATE: 2001-10-16

; PRIOR APPLICATION NUMBER: 08/232,545

; PRIOR FILING DATE: 1994-04-22

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 507

; TYPE: PRT

; ORGANISM: Unknown Organism

; FEATURE: Description of Unknown Organism: Megakaryocyte

; OTHER INFORMATION: kinase 1

US-09-977-261-2

Query Match 100.0%; Score 2671; DB 10; Length 507;

Best Local Similarity 100.0%; Pred. No. 5.8e-209; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRGLSLVSWRAFHGCDSAEELPRVSPEFLRAMPTRWRGTCITKCHT 60

Db 1 MAGRGLSLVSWRAFHGCDSAEELPRVSPEFLRAMPTRWRGTCITKCHT 60

Db 61 RPKEGELAFRKGVVTLIACENKSWYRKHTSGQEGILAGALREREALSADPKSLIM 120

Db 61 RPKEGELAFRKGVVTLIACENKSWYRKHTSGQEGILAGALREREALSADPKSLIM 120

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Db 121 PWFFGKISQEAQVQLQPPEPDGLFLVRESARHPDQYICVSFGEDVIRVLRHGHITI 180

Db 121 PWFFGKISQEAQVQLQPPEPDGLFLVRESARHPDQYICVSFGEDVIRVLRHGHITI 180

Db 181 DEAVFCNLMDMVEVSYKOKAICLTKVPRKRKGTSKABEELARAGWLNLOHLTGQ 240

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Db 301 YIVMEHVSKGKLNVLNFRTRGRALNTAQOFLSLVAEGMEYLESKKLVRDLARNLV 360

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Db 361 SEDLVAKVSDGLAKAERKGIDSSRLPVKWTAPPEALKHGKFTSKSDVWSFGVLLMEFSY 420

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Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

Db 481 BIRSAGAPASVSGQDADGSTSPRSQEP 507

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RESULT 4
US-10-100-217-2
; Sequence 2, Application US/10100217
; Publication No. US2003018104A1
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Grozman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; TITLE OF INVENTION: BREAST CANCER
; FILE REFERENCE: NEDH97-01A2Z
; CURRENT APPLICATION NUMBER: US/10/100, 217
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/315, 928
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 08/876, 882
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/335, 228
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-100-217-2

Query Match      91.5%; Score 2445; DB 14; Length 527;
Best Local Similarity 93.5%; Pred. No. 1. 6e-190;
Matches 472; Conservative 1; Mismatches 18; Indexes 14; Gaps 2;
; QY
; 1 MAGRSLSVSRWAFHGCDSAELPRVSPRFLRAWHPPVSPARMPTWRAPTOCTC
; DB 1 MAGRGSLSVSRWAFHGCDSAELPRVSPRFLRAWHPPVSPARMPTWRAPTOCTC
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; DB 121 PWFHGKTSQOBAVQQLQPPEPGFLYRESARHHPGDIVLCVSFFGRDVTHYVHL
; QY
; 181 DEAVFCNLMDME-----HYSKORGATCMLVPRKRH 214
; DB 181 DEAVFCNLMDME-----HYSKORGATCMLVPRKRH
; QY
; 215 GTKSABEELARGMLNLOHITLGQIGEGERFAGVQGEYQKAVRNICKDVTQAFL
; DB 215 GTKSABEELARGMLNLOHITLGQIGEGERFAGVQGEYQKAVRNICKDVTQAFL
; QY
; 241 GTKSABEELARGMLNLOHITLGQIGEGBFGAVQGEYQKAVRNICKDVTQAFL
; DB 241 GTKSABEELARGMLNLOHITLGQIGEGBFGAVQGEYQKAVRNICKDVTQAFL
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; DB 275 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; QY
; 301 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; DB 301 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; QY
; 335 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA
; DB 335 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA
; QY
; 361 SEDLVAKVSDPGLAKERKGKDSSLPVKTA 420
; DB 361 SEDLVAKVSDPGLAKERKGKDSSLPVKTA 420
; QY
; 241 IGEFEGFAGVLOQBYLA30KVAVNVIKCVTAQAFDIEATAVMTKQHENLYVLLG
; DB 241 IGEFEGFAGVLOQBYLA30KVAVNVIKCVTAQAFDIEATAVMTKQHENLYVLLG
; QY
; 301 YTMHEVSKQNLVNLTRGRALNTAQIQLQVLLVHARGMETLESKCLVHDLAARN
; DB 301 YTMHEVSKQNLVNLTRGRALNTAQIQLQVLLVHARGMETLESKCLVHDLAARN
; QY
; 361 SEDLVAKVSDPGLAKERKGKDSSLPVKTA 420
; DB 361 SEDLVAKVSDPGLAKERKGKDSSLPVKTA 420
; QY
; 421 GRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVHVLMSCMWAEPARRPPFKLAECL
; DB 421 GRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVHVLMSCMWAEPARRPPFKLAECL
; QY
; 421 GRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVHVLMSCMWAEPARRPPFKLAECL 480
; DB 421 GRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVHVLMSCMWAEPARRPPFKLAECL 480
; QY
; 481 ELRSAAGAPASVSGQDADGSTSPRSQ 507
; DB 481 ELRSAAGAPASVSGQDADGSTSPRSQ 507
; QY
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; DB 481 ELRSAAGAPASVSGQDADGSTSPRSQ 507
; QY
; 470 ---SANWPSPWPGSYAVOPQOPPSQ 491
; DB 470 ---SANWPSPWPGSYAVOPQOPPSQ 491

RESULT 5
US-10-103-380A-2
; Sequence 2, Application US/10103380A
; Publication No. US2003018624A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Ken Shaw
; TITLE OF INVENTION: VARIANT ASSOCIATED WITH LUNG CANCERS
; FILE REFERENCE: U 013931-2
; CURRENT APPLICATION NUMBER: US/10/103, 380A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO: 2
; SOFTWARE: PatentIn version 3.1
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-103-380A-2

Query Match      90.7%; Score 2422; DB 14; Length 553;
Best Local Similarity 88.9%; Pred. No. 1. 3e-188;
Matches 472; Conservative 1; Mismatches 18; Indexes 40; Gaps 3;
; QY
; 1 MAGRSLSVSRWAFHGCDSAELPRVSPRFLRAWHPPVSPARMPTWRAPTOCTC
; DB 1 MAGRGSLSVSRWAFHGCDSAELPRVSPRFLRAWHPPVSPARMPTWRAPTOCTC
; QY
; 61 RPKPGELAFRKGDVTILEACENKSWMRVKHTSGOEGLLAGALREREALSADPKL
; DB 61 RPKPGELAFRKGDVTILEACENKSWMRVKHTSGOEGLLAGALREREALSADPKL
; QY
; 121 PWFHGKTSQOBAVQQLQPPEPGFLYRESARHHPGDIVLCVSFFGRDVTHYVHL
; DB 121 PWFHGKTSQOBAVQQLQPPEPGFLYRESARHHPGDIVLCVSFFGRDVTHYVHL
; QY
; 181 DEAVFCNLMDME-----HYSKORGATCMLVPRKRH 214
; DB 181 DEAVFCNLMDME-----HYSKORGATCMLVPRKRH
; QY
; 215 GTKSABEELARGMLNLOHITLGQIGEGERFAGVQGEYQKAVRNICKDVTQAFL
; DB 215 GTKSABEELARGMLNLOHITLGQIGEGERFAGVQGEYQKAVRNICKDVTQAFL
; QY
; 241 GTKSABEELARGMLNLOHITLGQIGEGBFGAVQGEYQKAVRNICKDVTQAFL
; DB 241 GTKSABEELARGMLNLOHITLGQIGEGBFGAVQGEYQKAVRNICKDVTQAFL
; QY
; 275 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; DB 275 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; QY
; 301 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; DB 301 DETAIVTMKQHENLYVLLGVILHQIYIVMHEVSKQNLVNLTRGRALNTAQIQLQ
; QY
; 335 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA
; DB 335 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA
; QY
; 361 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA 420
; DB 361 KVAEGHMYLEERKLVERDLAARNILVSEDLVAKVSDPGLAKRGKDSSLPVKTA 420
; QY
; 395 AUKHGKTTSKSDVWSFGVILVNEVFSGRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVH
; DB 395 AUKHGKTTSKSDVWSFGVILVNEVFSGRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVH 454
; QY
; 421 AUKHG - PTSKSDVWSFGVILVNEVFSGRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVH
; DB 421 AUKHG - PTSKSDVWSFGVILVNEVFSGRAPYPKMSIKEVSEAVEKGYRMEPEGCPGPVH 479
; QY
; 455 VIMSSCWEAEPARRPPFKLAECLBIRSAGAPASVSGQDADGSTSPRSQ 505
; DB 455 VIMSSCWEAEPARRPPFKLAECLBIRSAGAPASVSGQDADGSTSPRSQ 505
; QY
; 480 VIMSSCWEAEPAGHP-----SAMWPSPWPGSYAVOPQOPPSQ 517
; DB 480 VIMSSCWEAEPAGHP-----SAMWPSPWPGSYAVOPQOPPSQ 517

RESULT 6
US-10-187-900-4
; Sequence 4, Application US/10187900
; Publication No. US2003016622A1
; GENERAL INFORMATION:

```

APPLICANT: BEASLEY, Ellen M. et al
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 FILE REFERENCE: CLO01061
 CURRENT APPLICATION NUMBER: US/10/187,900
 CURRENT FILING DATE: 2002-07-03
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 4
 LENGTH: 386
 TYPE: PRT
 ORGANISM: Human
 US-10-187-900-4

Query Match 75.3%; Score 2012; DB 14; Length 386;
 Best Local Similarity 100.0%; Pred. No. 2e-155; Indels 0; Gaps 0;
 Matches 386; Conservative 0; Mismatches 0; Dels 0;

QY 122 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 181
 1 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 60

QY 182 EAVFFCNLMDMEHTS5DKGAICTKVRPKRGKTSQAEELARAGWLLNQHUTGAI 149
 1 EAVFFCNLMDMEHTS5DKGAICTKVRPKRGKTSQAEELARAGWLLNQHUTGAI 149

QY 61 EAVFFCNLMDMEHTS5DKGAICTKVRPKRGKTSQAEELARAGWLLNQHUTGAI 210
 1 EAVFFCNLMDMEHTS5DKGAICTKVRPKRGKTSQAEELARAGWLLNQHUTGAI 210

QY 242 GEGEFGAVLOGEYLGOKVAKNIKCDVTAQAFQDDETAVMTMQHENLVRLIGVILQGLY 301
 1 GEGEFGAVLOGEYLGOKVAKNIKCDVTAQAFQDDETAVMTMQHENLVRLIGVILQGLY 180

QY 302 IVMEVSKGNLNUFLTRGRALVNTAQLQSLVAGMETESKLVVRDAAARNIVS 361
 1 IVMEVSKGNLNUFLTRGRALVNTAQLQSLVAGMETESKLVVRDAAARNIVS 240

Db 181 IVMEVSKGNLNUFLTRGRALVNTAQLQSLVAGMETESKLVVRDAAARNIVS 330
 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 389

QY 362 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 421
 1 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 300

QY 422 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 481
 1 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 481

Db 241 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 390
 IRSAGAPASVSGODAGSTSPRSQEP 507

QY 482 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 360
 1 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 360

Db 361 IRSAGAPASVSGODAGSTSPRSQEP 386
 IRSAGAPASVSGODAGSTSPRSQEP 415

RESULT 7

US-10-187-900-2

Sequence 2, Application US/10187900
 Publication No. US20030166221A1

GENERAL INFORMATION:

APPLICANT: BEASLEY, Ellen M. et al
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 TITLE OF INVENTION: THEREOF
 FILE REFERENCE: CLO01061
 CURRENT APPLICATION NUMBER: US/10/187,900
 CURRENT FILING DATE: 2002-07-03
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 415
 TYPE: PRT
 ORGANISM: Human
 US-10-187-900-2

Query Match 75.3%; Score 2012; DB 14; Length 415;
 Best Local Similarity 100.0%; Pred. No. 2.2e-155; Indels 0; Gaps 0;
 Matches 386; Conservative 0; Mismatches 0;

QY 122 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 181
 1 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 181

QY 302 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 246
 1 WPHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDVYHVRVLRDGHLTID 246

QY 362 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 329
 1 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 329

QY 422 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 481
 1 RAPYPKNSIKESEAVKGYMEPPGCPGPVHVLIMSSCWEAPARRPPFKLAEKLAIRE 481

Db 241 EDLVAKVSDFGLAKAERKGKGSRSRUPVKVTAPEALKHGKFTSKSDVWSFGVLLWEFSYG 390
 IRSAGAPASVSGODAGSTSPRSQEP 415

RESULT 8

US-09-977-269-7

Sequence 7, Application US/09777269
 Patent No. US20020082037A1

GENERAL INFORMATION:

APPLICANT: ULLRICH, AXEL
 APPLICANT: GISITZKY, MIKHAIL
 APPLICANT: SURES, IRMINGARD
 TITLE OF INVENTION: NOVEL MIGAKARYOCTIC PROTEIN TYROSINE KINASES
 FILE REFERENCE: 038602/1260
 CURRENT APPLICATION NUMBER: US/09/977,269
 PRIOR APPLICATION NUMBER: 08/232,545
 PRIOR FILING DATE: 1994-04-22
 NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 7
 LENGTH: 450
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-977-269-7

Query Match 46.6%; Score 1245.5; DB 9; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.8e-93; Indels 3; Gaps 2;
 Matches 235; Conservative 81; Mismatches 115; Dels 0;

QY 47 WAGTQCTIKCETTRPKPGELAKRGKDVUTIBACEKNSWYRKHKHSQEGGLAABL 106
 8 WPSGTECTAKYNHTGTAQDLPPCKGVDLTVAVTKDNPWYKAKNV-GREGGITVNY 66

QY 107 BREASADPKLSIMPWFHGKISGQEAQVQLQOPPEDGLFLVRESARHPGDYVLCVSGRDV 166
 67 KRECGKAGTKLSSIMPWFHGKIKTQEARELLYPPETGFLVRSSTNPGDYCVSCGKV 126

QY 167 IHYRVLRDGHLTIDEAVFFCNLMDMEHTS5DKGAICTKVRPKRGKTSQAEELARA 226
 127 EHYRIMYHASKLSDDEYIFENLMQLVHVTSDADGLCTRIKEPKVMEGTVAAQDEFYR 186

QY 227 GMWLNLQHUTLQAGQGEFGATQLOGEYLGOKVAKNIKCDVTAQAFQDDETAVMTMQHE 286
 187 GWALNKKELKLQDQIGKGSFBDYMLGDYRGKVKCICNDATAQAFLAEASYMOLARS 246

QY 287 NYLVNLGVILHQ-GLYUMEVSKGNLNUFLTRGRALVNTAQLQSLVAGMETE 344
 247 NYLVNLGVILHQ-GLYUMEVSKGNLNUFLTRGRALVNTAQLQSLVAGMETE 306

APPLICANT: Keiichi Nagai
 APPLICANT: Tetsuji Otsubi
 APPLICANT: Shin-Ichi Funahashi
 APPLICANT: Chiaki Senoo
 APPLICANT: Jun-Ichi Nezu
 TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
 FILE REFERENCE: 06501-099002
 CURRENT APPLICATION NUMBER: US10/060,065
 CURRENT FILING DATE: 2000-01-29
 PRIOR APPLICATION NUMBER: PCT/JP00/05061
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/159,590
 PRIOR FILING DATE: 1999-10-18
 PRIOR APPLICATION NUMBER: US 60/183,322
 PRIOR FILING DATE: 2000-02-17
 PRIOR APPLICATION NUMBER: JP 11-248036
 PRIOR FILING DATE: 1999-07-29
 PRIOR APPLICATION NUMBER: JP 2000-118776
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: JP 2000-183767
 PRIOR FILING DATE: 2000-05-02
 PRIOR APPLICATION NUMBER: JP 2000-241899
 PRIOR FILING DATE: 2000-06-09
 NUMBER OF SEQ ID NOS: 43
 SOFTWARE: Patentin ver. 2.0
 SEQ ID NO: 21
 LENGTH: 450
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-060-065-21

Query Match 46.6%; Score 1245.5; DB 12; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.8e-93; Mismatches 115; Indels 3; Gaps 2;
 Matches 235; Conservative 81; Gaps 2;

QY 47 WAPGQCTIKCEHTRPKGEALFRKGDVTLTACENKSMWTRVKHTSGOEGLLAAGAIR 106
 Db 8 WPSGTECIAKNFHGTAAQDIPFKCGDVLTVAVTKDPNNYKAKNV-GREGIIPANTVQ 66
 Qy 107 BREALSAADPKUSLMPWFHGKLTSGQEAQVQOLQPEDGLPFLYRESARHPGDYVLCVSFGRDY 166
 Db 67 KREGVKAGTKUSLMPWFHGKLTREQAERLLYPPEGLFLYRESTNYPGDYVLCSDGKV 126

Qy 167 IHYRVLHRDHGLTIDEAVFCNLMDMVHEYKSKDGAICTKULVRPERKHGTSAEELARA 226
 Db 127 EHRYIMTHASKLSDDEEVFENIMQLQVHEYTSDDAGLCTRIJKPKVMEGTVAAQDEFYRS 186

Qy 227 GWLNLOHLTIGAQIGEGERGAQVLOGIYGOKVAKVNICKDVTQAQFLDETAWMKQHE 286
 Db 187 GWALNNEKELKLQITKGERGDVMLGYRKVNAVKCICDQAFQFLAASVMTQLRHS 246

Qy 287 NLVRLAGVILHO-GLYTIVMHEVSKGNLNFRLTRGRALVNTAQOLQFSLHVARGMEYLE 344
 Db 247 NLVQLLGVIVEKGGLYVITYEMAKSSLVDLRSRSRSLVGGDCLLKSFSDVCEAMEYLE 306

Qy 345 SKKLVRDAAARNILYSEDLYAKVSKRGFLAKAKERKGDSSRLPVKWTAPRAHKCKFTSK 404
 Db 307 GNNFVRDILDAARNLVNIVEDNTAVSKVSDFGLTKEASSTQDTGKLPVKTPEALREKFSTK 366

Qy 405 SDWMSGVLMVEFVSYGRAPKMSKEYSEAVEKYMRMEPEGGPPVHLMSSCWEAE 464
 Db 367 SDWMSGFLWILWBYISRGVRVPYRPLKDVPRVKEGYKMDADGCPVPAVYEVMKNCWHLID 426

Qy 465 PARRPPRKLAEKL 478
 Db 427 AMRPSFLQLRQL 440

RESULT 12
 US-10-059-585-42
 Sequence 42, Application US/10059585
 Publication No. US10030082776A1
 GENERAL INFORMATION:

APPLICANT: Ota, Toshio
 APPLICANT: Itoigai, Takao
 APPLICANT: Nishikawa, Tetsuo
 APPLICANT: Hayashi, Koji
 APPLICANT: Otsubi, Kaoru
 APPLICANT: Yamamoto, Jun-ichi
 APPLICANT: Ishii, Shizuko
 APPLICANT: Sugiyama, Tomoyasu
 APPLICANT: Wakamatsu, Ai
 APPLICANT: Nagai, Keiichi
 APPLICANT: Otsubi, Tetsuji
 APPLICANT: Funahashi, Shin-Ichi
 APPLICANT: Senoo, Chiaki
 APPLICANT: Nezu, Jun-Ichi
 TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
 FILE REFERENCE: 06501-099001
 CURRENT APPLICATION NUMBER: US/10/059,585
 CURRENT FILING DATE: 2002-01-29
 PRIOR APPLICATION NUMBER: PCT/JP00/05060
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/183,322
 PRIOR FILING DATE: 2000-02-17
 PRIOR APPLICATION NUMBER: US 60/159,590
 PRIOR FILING DATE: 1999-10-18
 PRIOR APPLICATION NUMBER: JP 2000-118776
 PRIOR FILING DATE: 2000-05-02
 PRIOR APPLICATION NUMBER: JP 2000-241899
 PRIOR FILING DATE: 2000-06-09
 NUMBER OF SEQ ID NOS: 64
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO: 42
 LENGTH: 450
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-059-585-42

Query Match 46.6%; Score 1245.5; DB 14; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.8e-93; Mismatches 115; Indels 3; Gaps 2;
 Matches 235; Conservative 81; Gaps 2;

QY 47 WAPGQCTIKCEHTRPKGEALFRKGDVTLTACENKSMWTRVKHTSGOEGLLAAGAIR 106
 Db 8 WPSGTECIAKNFHGTAAQDIPFKCGDVLTVAVTKDPNNYKAKNV-GREGIIPANTVQ 66

Qy 107 BREALSAADPKUSLMPWFHGKLTSGQEAQVQOLQPEDGLPFLYRESARHPGDYVLCVSFGRDY 166
 Db 67 KREGVKAGTKUSLMPWFHGKLTREQAERLLYPPEGLFLYRESTNYPGDYVLCSDGKV 126

Qy 167 IHYRVLHRDHGLTIDEAVFCNLMDMVHEYKSKDGAICTKULVRPERKHGTSAEELARA 226
 Db 127 EHRYIMTHASKLSDDEEVFENIMQLQVHEYTSDDAGLCTRIJKPKVMEGTVAAQDEFYRS 186

Qy 227 GWLNLOHLTIGAQIGEGERGAQVLOGIYGOKVAKVNICKDVTQAQFLDETAWMKQHE 286
 Db 187 GWALNNEKELKLQITKGERGDVMLGYRKVNAVKCICDQAFQFLAASVMTQLRHS 246

Qy 287 NLVRLAGVILHO-GLYTIVMHEVSKGNLNFRLTRGRALVNTAQOLQFSLHVARGMEYLE 344
 Db 247 NLVQLLGVIVEKGGLYVITYEMAKSSLVDLRSRSRSLVGGDCLLKSFSDVCEAMEYLE 306

Qy 345 SKKLVRDAAARNILYSEDLYAKVSKRGFLAKAKERKGDSSRLPVKWTAPRAHKCKFTSK 404
 Db 307 GNNFVRDILDAARNLVNIVEDNTAVSKVSDFGLTKEASSTQDTGKLPVKTPEALREKFSTK 366

Qy 405 SDWMSGVLMVEFVSYGRAPKMSKEYSEAVEKYMRMEPEGGPPVHLMSSCWEAE 464
 Db 367 SDWMSGFLWILWBYISRGVRVPYRPLKDVPRVKEGYKMDADGCPVPAVYEVMKNCWHLID 426

Qy 465 PARRPPRKLAEKL 478

Db 427 AAMPSFLOREQL 440

RESULT 13 ; Sequence 88, Application US/10177293
; Publication No. US20030124128A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Zhao, Xumei
APPLICANT: Gammvarpu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Mertens, Maureen
APPLICANT: Myer, Vic
APPLICANT: Wang, Youhen
APPLICANT: Xu, Yongyao
APPLICANT: Hoerach, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
APPLICANT: Bast Jr., Robert C.
APPLICANT: Hortobagyi, Gabriel N.
APPLICANT: Puszai, Lajos
APPLICANT: Meric, Funda
APPLICANT: Sahin, Aysegul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 6/0/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 6/0/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 6/0/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 6/0/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 6/0/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 6/0/xxxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 88
LENGTH: 450
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-293-88

Query Match 46.6%; Score 1245.5; DB 14; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITCKEHTTRPKPGLAFRKGDVTLBACENKSMWYRKHHTSGOEGLLAGALR 106
Db 8 WPSGTECIACKNFHGTAEQDLPCKGDVLTIVAVTPNWKAKNVY-GREGIIIPANYVQ 66

QY 107 EREALSDAPKSLIMPPWFGKISGQEAQVQLOPPEDGFVLESARHPGDVYLTVSPFRDV 166
Db 67 KREGVKAGTKLUSIMPWFHGKTREPERLYPPGFLYRESTNYPGDTLICVSDGKV 126

QY 167 IHYRVLRDHGHITIDEAVFCNLMMWHEYSKDKGAACTKLVRPKRKHGKTSAAEELARA 226
Db 127 EHYRIMTHASKSISIDEVIFENLMQWVEHTSDANGCILKPKMEGTVAAQDEFYRS 186

Db 67 KREGVKAGTKLUSIMPWFHGKTREPERLYPPGFLYRESTNYPGDTLICVSDGKV 126

QY 227 GWLNUQHLTGAQIGERGFGAVLQSYLQGKAVAVNIKCVTAQFLDEAVMTQHQE 286
Db 187 GWAJNMKELKLUQITIGKEFGEFGVMGLGJYRGKAVAKCINKNDATAQFLASVMTQHRS 246

QY 287 NLVRLGIVLHQ--GLTIVMERYVKSGNUNFLTRGRALVNTAQFLQFSLVAEGMEYLE 344
||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : |||||

Db 247 NLVOLQGVIVEEKGGVLYTVEYMAKGSLVDYLRSRGRSVVLGGDCILKFSLDVCEAMEYLE 305

QY 345 SKKLYVDRDLAARNLIVSEDVAKYVSDFGLAKAERKGKLSRRLPVKRWTADEALKHGFTSK 404

Db 307 GNNFVHRDLAARNLIVSEDVAKYVSDFGLAKAERKGKLSRRLPVKRWTADEALKHGFTSK 366

QY 405 SDWMSFGVLIWEVSYGRAPYKPKLKEYSEAVERGYRNPPECGPPGPHVMSWBAE 464

Db 367 SDWMSFGVLIWEVSYGRAPYKPKLKEYSEAVERGYRNPPECGPPGPHVMSWBAE 426

QY 465 PARRPPFKLAELK 478

Db 427 AAMPSFLOREQL 440

RESULT 14 ; Sequence 2, Application US/10298377A
; Publication No. US20030130209A1
GENERAL INFORMATION:
APPLICANT: The Scripps Research Institute
APPLICANT: Cheresh, David A.
APPLICANT: Paul, Robert
APPLICANT: Elceirri, Brian
TITLE OF INVENTION: Method of Treatment of Myocardial Infarction
FILE REFERENCE: TSR-651.5
CURRENT APPLICATION NUMBER: US/10/298,377A
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 10/298,377
PRIOR FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 09/470,881
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 09/538,248
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: PCT/US99/11780
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/087,220
PRIOR FILING DATE: 1998-05-29
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSBQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 450
TYPE: PRT
ORGANISM: homo sapiens
US-10-298-377A-2

Query Match 46.6%; Score 1245.5; DB 14; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITCKEHTTRPKPGLAFRKGDVTLBACENKSMWYRKHHTSGOEGLLAGALR 106
Db 8 WPSGTECIACKNFHGTAEQDLPCKGDVLTIVAVTPNWKAKNVY-GREGIIIPANYVQ 66

QY 107 EREALSDAPKSLIMPPWFGKISGQEAQVQLOPPEDGFVLESARHPGDVYLTVSPFRDV 166
Db 67 KREGVKAGTKLUSIMPWFHGKTREPERLYPPGFLYRESTNYPGDTLICVSDGKV 126

QY 167 IHYRVLRDHGHITIDEAVFCNLMMWHEYSKDKGAACTKLVRPKRKHGKTSAAEELARA 226
Db 127 EHYRIMTHASKSISIDEVIFENLMQWVEHTSDAGCILKPKMEGTVAAQDEFYRS 186

Db 127 EHYRIMTHASKSISIDEVIFENLMQWVEHTSDAGCILKPKMEGTVAAQDEFYRS 186

QY 227 GWLNUQHLTGAQIGERGFGAVLQSYLQGKAVAVNIKCVTAQFLDEAVMTQHQE 286
Db 187 GWAJNMKELKLUQITIGKEFGEFGVMGLGJYRGKAVAKCINKNDATAQFLASVMTQHRS 246

QY 287 NLVRLGIVLHQ--GLTIVMERYVKSGNUNFLTRGRALVNTAQFLQFSLVAEGMEYLE 344

QY 345 SKKLYVDRDLAARNLIVSEDVAKYVSDFGLAKAERKGKLSRRLPVKRWTADEALKHGFTSK 404

Db 307 GNNFVHDLMLARNVLVSEPNVAKUSDFGTKEASSTQDGKLFVKWTPBALKRKPSKTR 366

Qy 405 SDWMSFGVILWEVISYGRAPYKPMIKEYSEAEVKGYMEPPGCPGPGVHUMSCMEEA 464

Db 367 SDWMSFGVILWEVISYGRAPYKPMIKEYSEAEVKGYMEPPGCPGPGVHUMSCMEEA 426

Qy 465 PARRPPFRKLAEKI 478

Db 427 AAMRPSFLQIREQL 440

RESULT 15
US-10-116-275-121
Sequence 121, Application US/10116275

Publication No. US20030211476A1
GENERAL INFORMATION:

APPLICANT: Elan Pharmaceutical Technology

APPLICANT: O'Mahony, Daniel J.

APPLICANT: Brayden, David

APPLICANT: Byrne, Daragh

APPLICANT: Lambkin, Lisea

APPLICANT: Higgins, Lisea

TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and

FILE REFERENCE: E1057/20087

CURRENT APPLICATION NUMBER: US10/116,275

CURRENT FILING DATE: 2002-10-04

NUMBER OF SEQ ID NOS: 349

SOFTWARE: PatentIn version 3.1

SEQ ID NO 121

LENGTH: 450

TYPE: PRT

ORGANISM: Homo sapiens

US-10-116-275-121

Query Match 46.6%; Score 1215.5; DB 15; Length 450;

Best Local Similarity 54.1%; Pred. No. 6.8e-93; Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGHTQCTIKCENTRPCKPGELAFRKGDVVITLEACENKSRYVRKHTSQEGLIAAGAAR 106

Db 8 WPSGTECIAKVNHFHTABQDLPFCKDVLITAVTKDPWYKAKNKV-GREGIIPANTWQ 66

Qy 107 EREAAASADPKLSLMPWFHKSGGBAVQDQPPRGDGFYRESARHPGSPYVUWSFGRDV 166

Db 67 KREGVKGATKLSLMPWFHKSGKTREQABERLPPGFLYRESTNYPGDTLCVSCDGKV 126

Qy 167 IHYRVLHRDGHLTIDEAVFCNLMDMVETYSKDKGAICTKLVRKRKGTKSAEELARA 226

Db 127 EHRYIMYHASKLISIDEDEVFNLMQGVLEHTSDADGLCTRLIKPKUMEGTVAAQDEFYR 186

Qy 227 GWLNLNQHITGAQIGEGETGAVALOGEYLGQKVAVNIKCDVTAQAFUDETAVTMKQHE 286

Db 187 GWAQMKELKLQLQTGKGERGDVMLGQYGNKAVKCIQNDATAQAFLEASTMTQHRS 246

Qy 287 NLVRLLGIVLHQ-GLYTVMHEVHSKGNLUNFLTRGRANVNTAQDLOFLHVARGMVELE 344

Db 247 NLVQLGIVTVEKGGLYIVTEYMAKSLVYLRSRGSVGGDCILKFSLDVCAAMELE 306

Qy 345 SKKLVHDDIARNTIVLSEDVAKVSDFGAKAERKGLDDSLRPLPKWTBALKKGKFSSK 404

Db 307 GNNFVHDLMLARNVLVSEPNVAKUSDFGTKEASSTQDGKLFVKWTPBALKRKPSKTR 366

Qy 405 SDWMSFGVILWEVISYGRAPYKPMIKEYSEAEVKGYMEPPGCPGPGVHUMSCMEEA 464

Db 367 SDWMSFGVILWEVISYGRAPYKPMIKEYSEAEVKGYMEPPGCPGPGVHUMSCMEEA 426

Qy 465 PARRPPFRKLAEKI 478

Db 427 AAMRPSFLQIREQL 440

Job time : 587 Secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

May 24, 2004, 08:18:42 ; Search time 22 Seconds

(without alignments)

1189.744 Million cell updates/sec

Title: US-09-977-261-2

Perfect score: 2671

Sequence: 1 MAGRGSIVSMAFHGDSAE.....PASVSQLQDAGSTSFRSQEP 507

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 5162971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Issued, Patents AA,*
 1: /cgn2_6/prodata/2/iaa/5A COMB.pep:*

2: /cgn2_6/prodata/2/iaa/5B COMB.pep:*

3: /cgn2_6/prodata/2/iaa/6A COMB.pep:*

4: /cgn2_6/prodata/2/iaa/6B COMB.pep:*

5: /cgn2_6/prodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2671	100.0	507	4	US-08-426-509A-2
2	2671	100.0	507	4	US-08-426-509A-2
3	2671	100.0	507	5	PCT-US55-05008-2
4	2664	99.7	507	2	US-08-604-89A-5
5	2445	91.5	527	4	US-09-315-28-2
6	2444	91.5	466	2	US-08-604-89A-4
7	2434.5	91.1	528	2	US-08-876-882-2
8	2434.5	91.1	386	4	US-09-741-154-4
9	2012	75.3	415	4	US-09-741-154-2
10	1269	47.5	246	2	US-08-604-89A-3
11	1245.5	46.6	450	4	US-08-426-509A-7
12	1245.5	46.6	450	4	US-08-232-55-7
13	1245.5	46.6	450	4	US-09-470-881-5
14	1245.5	46.6	450	5	PCT-US55-05008-7
15	797	29.8	269	2	US-08-701-191A-35
16	797	29.8	269	4	US-09-664-26-35
17	768	28.9	3	US-09-426-506-3	
18	768	28.8	258	3	US-08-955-841-3
19	768	28.8	258	4	US-09-390-425-3
20	768	28.8	258	4	US-09-566-06-3
21	742.5	27.8	508	4	US-09-862-154-1
22	742.5	27.8	509	3	US-09-039-555B-17
23	742.5	27.8	509	4	US-08-426-509A-18
24	742.5	27.8	509	4	US-09-457-040B-8
25	742.5	27.8	509	4	US-08-232-555-18
26	742.5	27.8	509	4	US-09-470-881-3
27	73.4	533	4	US-08-426-509A-2	

ALIGNMENTS

RESULT 1
 US-08-426-509A-2
 Sequence 2, Application US/08426509A
 Patent No. 6326469
 GENERAL INFORMATION:
 APPLICANT: Ulrich, Axel
 APPLICANT: Gibilzky, Mikhail
 APPLICANT: Sures, Irman G.
 TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
 TITLE OF INVENTION: TYROSINE KINASES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penni & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York,
 STATE: NY
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/426,509A
 FILING DATE: 21-APR-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/232,545
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-0074-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-790-9090
 TELEFAX: 212-869-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 amino acids
 TYPE: amino acid
 STRANDBNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: No. 6326469
 US-08-426-509A-2

Query Match 100.0%; Score 2671; DB 4; Length 507;
 Best Local Similarity 100.0%; Pred. No. 3.1e-219; Indels 0; Gaps 0;
 Matches 507; Conservative 0; Mismatches 0;

QY 1 MAGRGLYSWRAFGCDSAELPRSPFRLARHPPVSARMPIRWAQTCITKCHE 60
 1 MAGRGLYSWRAFGCDSAELPRSPFRLARHPPVSARMPIRWAQTCITKCHE 60
 Db 61 RPKPGELAFRKGDVVTILEACENKSWYRKHTSQCEGLIAAGATRERALSADPKLSM 120
 Db 61 RPKPGELAFRKGDVVTILEACENKSWYRKHTSQCEGLIAAGATRERALSADPKLSM 120
 QY 121 PWFHGKISGQAVQQLQPSPDGLFLYRESARHPPGIVLVSFGDVLVHRLGDHLI 180
 Db 121 PWFHGKISGQAVQQLQPSPDGLFLYRESARHPPGIVLVSFGDVLVHRLGDHLI 180
 QY 181 DEAVFCNLMDMVHYSKDKGAICTKLVRPKRGTKSFEELARAGMLNLOHTLGQ 240
 Db 181 DEAVFCNLMDMVHYSKDKGAICTKLVRPKRGTKSFEELARAGMLNLOHTLGQ 240
 QY 241 IGEGERGAVLQGEYIGQKAVAKNIKCDVTAQFLDETAUMTKQHENVLRLGVLHGL 300
 Db 241 IGEGERGAVLQGEYIGQKAVAKNIKCDVTAQFLDETAUMTKQHENVLRLGVLHGL 300
 QY 301 YIMMEHVSKGNLYNFRTRGRALVNTAQLQFSHLVAEGMBYLESKKLVHRLDARNLIV 360
 Db 301 YIMMEHVSKGNLYNFRTRGRALVNTAQLQFSHLVAEGMBYLESKKLVHRLDARNLIV 360
 QY 361 SEDLVAKVSDFGLAKAERKGDLSSRLPVKWTPEALKRKGFTSKDSVMSFGVLUWEFSY 420
 Db 361 SEDLVAKVSDFGLAKAERKGDLSSRLPVKWTPEALKRKGFTSKDSVMSFGVLUWEFSY 420
 QY 421 GRAPYPKMSLKEVSEAVEKGYRMPPEGGPGPVHLMSSCWEAEPARRPPLAKLAR 480
 Db 421 GRAPYPKMSLKEVSEAVEKGYRMPPEGGPGPVHLMSSCWEAEPARRPPLAKLAR 480
 QY 481 ERSAGAPASVSGQDADGSTSPRSQEP 507
 Db 481 ERSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 2
 US-08-232-545-2
 ; Sequence 2, Application US/08232545
 ; GENERAL INFORMATION:
 ; APPLICANT: Ulrich, Axel
 ; APPLICANT: Gishizky, Mikhail
 ; TITLE OF INVENTION: Sure, Ilman G.
 ; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 115 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/232,545
 ; FILING DATE: 22-APR-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Coruzzi, Laura A.
 ; REGISTRATION NUMBER: 30,742
 ; REFERENCE/DOCKET NUMBER: 7683-050
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 69-9741
 ; TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: Protein
 US-08-232-545-2

Query Match 100.0%; Score 2671; DB 4; Length 507;
 Best Local Similarity 100.0%; Pred. No. 3.1e-219; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRGLYSWRAFGCDSAELPRSPFRLARHPPVSARMPIRWAQTCITKCHE 60
 Db 1 MAGRGLYSWRAFGCDSAELPRSPFRLARHPPVSARMPIRWAQTCITKCHE 60
 QY 61 RPKGEELAFRKGDVVTILEACENKSWYRKHTSQCEGLIAAGATRERALSADPKLSM 120
 Db 61 RPKGEELAFRKGDVVTILEACENKSWYRKHTSQCEGLIAAGATRERALSADPKLSM 120
 QY 121 PWFHGKISGQAVQQLQPSPDGLFLYRESARHPPGIVLVSFGDVLVHRLGDHLI 180
 Db 121 PWFHGKISGQAVQQLQPSPDGLFLYRESARHPPGIVLVSFGDVLVHRLGDHLI 180
 QY 181 DEAVFCNLMDMVHYSKDKGAICTKLVRPKRGTKSFEELARAGMLNLOHTLGQ 240
 Db 181 DEAVFCNLMDMVHYSKDKGAICTKLVRPKRGTKSFEELARAGMLNLOHTLGQ 240
 QY 241 IGEGERGAVLQGEYIGQKAVAKNIKCDVTAQFLDETAUMTKQHENVLRLGVLHGL 300
 Db 241 IGEGERGAVLQGEYIGQKAVAKNIKCDVTAQFLDETAUMTKQHENVLRLGVLHGL 300
 QY 301 YIMMEHVSKGNLYNFRTRGRALVNTAQLQFSHLVAEGMBYLESKKLVHRLDARNLIV 360
 Db 301 YIMMEHVSKGNLYNFRTRGRALVNTAQLQFSHLVAEGMBYLESKKLVHRLDARNLIV 360
 QY 361 SEDLVAKVSDFGLAKAERKGDLSSRLPVKWTPEALKRKGFTSKDSVMSFGVLUWEFSY 420
 Db 361 SEDLVAKVSDFGLAKAERKGDLSSRLPVKWTPEALKRKGFTSKDSVMSFGVLUWEFSY 420
 QY 421 GRAPYPKMSLKEVSEAVEKGYRMPPEGGPGPVHLMSSCWEAEPARRPPLAKLAR 480
 Db 421 GRAPYPKMSLKEVSEAVEKGYRMPPEGGPGPVHLMSSCWEAEPARRPPLAKLAR 480
 QY 481 ERSAGAPASVSGQDADGSTSPRSQEP 507
 Db 481 ERSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 3
 PCT-US95-05008-2
 ; Sequence 2, Application PC/TUS9505008
 ; GENERAL INFORMATION:
 ; APPLICANT: Sugen, Inc.
 ; APPLICANT: 515 Galveston Drive
 ; APPLICANT: Redwood City, California 94063-4720
 ; APPLICANT: United States of America
 ; APPLICANT: Wissenschaften E.V.
 ; APPLICANT: Hofarten Str. 2
 ; APPLICANT: München 80539
 ; APPLICANT: Germany
 ; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 115 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Goruzzi, Laura A.
 ADDRESS: Bennie & Edmonds LLP
 REFERENCE/DOCKET NUMBER: 30-742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9050
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US95-05008-2

Query Match 100.0%; Score 2671; DB 5; Length 507;
 Best Local Similarity 100.0%; Pred. No. 3.1e-219; Mismatches 0;
 Matches 507; Conservative 0; Indels 0; Gaps 0;

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QY 1 MAGRGSILSVWRAFHGCDSAELPRVSPRFIRAWHPPVSARMPTTRWAPGTCITKCENT 60
  1 MAGRGSILSVWRAFHGCDSAELPRVSPRFIRAWHPPVSARMPTTRWAPGTCITKCENT 60
Db 61 RPKPGELAFRKGNVITLACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
QY 61 RPKPGELAFRKGNVITLACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
Db 61 RPKPGELAFRKGDVVTILEACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
QY 121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
Db 121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
  121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
  181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
Db 181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
  181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
QY 241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
Db 241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
  241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
  301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
QY 301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
Db 301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
  301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
  361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
Db 361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
  361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
QY 421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
Db 421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
  421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
  481 EIRSAGAPASVGQDADGSTRSQEP 507
Db 481 EIRSAGAPASVGQDADGSTRSQEP 507

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Patent No. 5834208
 GENERAL INFORMATION:
 APPLICANT: Sakano, S.
 TITLE OF INVENTION: No. 5834208e1 Tyrosine Kinase
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Bennie & Edmonds LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/1920-026
 FILING DATE: February 23, 1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Charles E. Miller
 REGISTRATION NUMBER: 24,575
 REFERENCE/DOCKET NUMBER: 1920-026
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEX: 66141 PENNIE
 TELEFAX: (212) 869-8864/9741
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: human
 STRAIN: UT-7
 US-08-1920-026

Query Match 99.7%; Score 2664; DB 2; Length 507;
 Best Local Similarity 99.8%; Pred. No. 1.2e-218; Mismatches 1; Indels 0; Gaps 0;
 Matches 506; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 MAGRGSILSVWRAFHGCDSAELPRVSPRFIRAWHPPVSARMPTTRWAPGTCITKCENT 60
  1 MAGRGSILSVWRAFHGCDSAELPRVSPRFIRAWHPPVSARMPTTRWAPGTCITKCENT 60
Db 61 RPKPGELAFRKGDVVTILEACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
QY 61 RPKPGELAFRKGDVVTILEACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
Db 61 RPKPGELAFRKGDVVTILEACENKSWMWRVKHTSGQEGGLAAGALREREALSDPKLSM 120
PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
QY 121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
Db 121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
  121 PWFHGKISGQEAQVQLQQPEDGLFLVRESARHPGIVYLCTVSFRGRDVTHYRVLHRDGLTI 180
  181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
Db 181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
  181 DDAVFCLNLMMDVRYHYSKDKGAICITKVRKRKGKTSKSAEELARGMLNQHJLTGAQ 240
QY 241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
Db 241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
  241 IGEGERGAVALQOGEYLGOKVAVNKGKDVTAQFLDETAWMKMHNLVRLIGVILQGL 300
  301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
QY 301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
Db 301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
  301 YTMERVKSGNHLNFRTRGRALVNTAQLOPSLHYAEGMYLESKKLVRHDLAARNILV 360
  361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
Db 361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
  361 SEDLVAKVSDGLAKERKGKDSSRLPVKWTPEAKHGKTSKSWFVGVLYMEFSY 420
QY 421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
Db 421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
  421 GRAPYRMSIKEVSEAVEKGYMEPPEGCPGPVHVLMSSCWEAEPARRPRKAKLAR 480
  481 EIRSAGAPASVGQDADGSTRSQEP 507
Db 481 EIRSAGAPASVGQDADGSTRSQEP 507

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RESULT 4
 US-08-604-989A-5
 ; Sequence 5, Application US/08604989A

RESULT 5
US-09-315-928-2
; Sequence 2, Application US/09315928
; Patent No. 6368796
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; TITLE OF INVENTION: BREAST CANCER
; FILE REFERENCE: NED197-01PAZ
; CURRENT APPLICATION NUMBER: US/09/315,928
; CURRENT FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: 1997-06-15
; PRIOR APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 527
; TYPE: RT
; ORGANISM: Homo sapiens
; US-09-315-928-2

Query Match 91.5%; Score 2445; DB 4; Length 527;
Best Local Similarity 93.5%; Pred. No. 5..8e-200; Mismatches 1; Indels 14; Gaps 2;
Matches 472; Conservative 1; MisMatches 18; Del 1; Insert 14; Gap 2;

QY 1 MAGRSGLSVLWRAFHGCDSAELPLRVSPLRVRTRAWHPPVSPARMTRRWAQCTICKEHT 60
Db 1 MAGRSGLSVLWRAFHGCDSAELPLRVSPLRVRTRAWHPPVSPARMTRRWAQCTICKEHT 60
QY 61 RPKGELAFLRKGDVTLLEACENKSMWRVKHTSGQBLLAQALRREALSADPKSLM 120
Db 61 RPKGELAFLRKGDVTLLEACENKSMWRVKHTSGQBLLAQALRREALSADPKSLM 120
QY 121 PWTHGKISCGQEAVQQLQPEDGFLVRSARHPGDYVLCVSPGRDVTHYRVLHRDGLT 180
Db 121 PWHGKISCGQEAVQQLQPEDGFLVRSARHPGDYVLCVSPGRDVTHYRVLHRDGLT 180
QY 181 DEAVFFCNLMDMVHYSKDKGAICTKVLVRPKRGHTSAAEELRAGWLMLQHLTGAQ 240
Db 181 DEAVFFCNLMDMVHYSKDKGAICTKVLVRPKRGHTSAAEELRAGWLMLQHLTGAQ 240
QY 241 IGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMKOMHENLVRUIGVILHQGL 300
Db 241 IGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMKOMHENLVRUIGVILHQGL 300
QY 301 YIYMERVKGNLUFLTRGRALVNTAQQLQPSLHYAEGMELTESKLVRDLARNILY 360
Db 301 YIYMERVKGNLUFLTRGRALVNTAQQLQPSLHYAEGMELTESKLVRDLARNILY 360
QY 361 SEDLVAKUDFGLAKAERKGDSLRSRPUVKWTAPEALKHGKTSKSDVMSRCVLLMEVSY 420
Db 361 SEDLVAKUDFGLAKAERKGDSLRSRPUVKWTAPEALKHGKTSKSDVMSRCVLLMEVSY 420
QY 419 YLESKGLVHDLARMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 240
Db 419 YLESKGLVHDLARMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 240
QY 420 GRAPYPMQSLKEVSEAVEKGTRMEPPEGCPGPVHVLMSCKWAEARRPRPKLAKELKAR 480
Db 420 GRAPYPMQSLKEVSEAVEKGTRMEPPEGCPGPVHVLMSCKWAEARRPRPKLAKELKAR 480
QY 481 ELSASRAPASVSGQDADGSTSPRSQ 505
Db 481 ELSASRAPASVSGQDADGSTSPRSQ 505
QY 470 ---SANWPNSPGSYAVQVQFOPPSQ 491
Db 470 ---SANWPNSPGSYAVQVQFOPPSQ 491

RESULT 6
US-08-604-989A-4
; Sequence 4, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; COMPUTER READABLE FORM:
; COMPUTER: Pennie & Edmonds LLP
; STREET: 1115 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; CURRENT APPLICATION DATA:
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEX: (212) 869-8864/9741
; TELEFAX: (212) 869-8864/9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 466 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
; US-08-604-989A-4

Query Match 91.5%; Score 2444; DB 2; Length 466;
Best Local Similarity 100%; Pred. No. 5..9e-200; Mismatches 0; Indels 0; Gaps 0;
Matches 466; Conservative 0; MisMatches 0; Del 0; Insert 0; Gap 0;

QY 42 MPTRRWAQGCTICKEHTRPKGAIARFGDVTILEACENKSMWRVKHTSGOGLLA 101
Db 42 MPTRRWAQGCTICKEHTRPKGAIARFGDVTILEACENKSMWRVKHTSGOGLLA 101
QY 1 MPTRRWAQGCTICKEHTRPKGAIARFGDVTILEACENKSMWRVKHTSGOGLLA 60
Db 1 MPTRRWAQGCTICKEHTRPKGAIARFGDVTILEACENKSMWRVKHTSGOGLLA 60
QY 102 AGALREREALSADPKSLMWMFHGKTSQGQBAVQQLQPEDGFLVRESARHPGDYVLCV 161
Db 61 AGALREREALSADPKSLMWMFHGKTSQGQBAVQQLQPEDGFLVRESARHPGDYVLCV 120
QY 162 FGDRVHVRVLARDGLTIDEAVFCNLMDMVHYSKDKGAICTKVLVRPKRGHTSAEE 221
Db 121 FGDRVHVRVLARDGLTIDEAVFCNLMDMVHYSKDKGAICTKVLVRPKRGHTSAEE 180
QY 222 ELARAGWLMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 281
Db 181 ELARAGWLMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 240
QY 282 KMQHENLVRUIGVILHQGLTIVMERSKGNLUFLTRGRALVNTAQQLQPSLHYAEGME 341
Db 241 KMQHENLVRUIGVILHQGLTIVMERSKGNLUFLTRGRALVNTAQQLQPSLHYAEGME 300
QY 342 YLESKGLVHDLARMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 401
Db 301 YLESKGLVHDLARMLQHLTGAQJGEGERGAFLVCGYRLSCKVAVENIKCDVTQAFELDEAVMT 360
QY 402 TSKSDVMSFGVLLMEVFSYGRAPYPMQSLKEVSEAVEKGTRMEPPEGCPGPVHVLMSCKWAEARRPRPKLAKELKAR 461

Db 361 TSKSDYWSFGVILWEVFSYGRAPYKPKMSLKEVSEAVEKGYRMRPFGCPVHVLMSCW 420 Qy 462 EAPARRPPFKLAEKLERSAGAPASGQDADGSTSPRSQP 507 ; Sequence 2, Application US/08876882 Db 421 EAEPARRPPFKLAEKLERSAGAPASGQDADGSTSPRSQP 466 ; General Information: ; APPLICANT: Avraham, Hava ; APPLICANT: Groopman, Jerome E. ; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT ; TITLE OF INVENTION: OF BREAST CANCER ; NUMBER OF SEQUENCES: 9 ; CORRESPONDENCE ADDRESS: ; ADDRESS: Hamilton, Brook, Smith & Reynolds P.C. ; STREET: Two Militia Drive ; CITY: Lexington ; STATE: MA ; COUNTRY: USA ; ZIP: 02173-4799 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Diskette ; COMPUTER: IBM Compatible ; OPERATING SYSTEM: Windows ; SOFTWARE: FastSEQ for Windows Version 2.0b ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08876,882 ; FILING DATE: 16-JUN-1997 ; CLASSIFICATION: 435 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: 60/035,228 ; FILING DATE: 08-JAN-1997 ; ATTORNEY/AGENT INFORMATION: ; NAME: Doreen, Hragie M. ; REFERENCE NUMBER: 36,361 ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: 781-61-6240 ; TELEX: 781-61-9540 ; INFORMATION FOR SEQ ID NO: 2: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 528 amino acids ; TYPE: amino acid ; STRANDEDNESS: Single ; TOPOLOGY: linear ; MOLECULE TYPE: protein ; FRAGMENT TYPE: internal ; US-08-876-882-2

Query Match 91.1%; Score 2434.5; DB 2; Length 528; Best Local Similarity 93.3%; Pred. No. 4.5e-199; Matches 472; Conservative 1; Mismatches 18; Indels 15; Gaps 3;

Qy 1 MAGRSILSVSRAFHGCDSAELPRVSPRERAWHPPVSARMRWRADGTCITKCEIT 60 Db 1 MAGRSILSVSRAFHGCDSAELPRVSPRERAWHPPVSARMRWRADGTCITKCEIT 60 ; Query 61 RPKPGLAFLAKFGDWTL-LACENKSWYRKHTSGQEGILAGAALRERALSADPKSL 119 Db 61 RPKPGLAFLAKFGDWTL-LACENKSWYRKHTSGQEGILAGAALRERALSADPKSL 119 ; Query 120 MPWFHGKTSQEAQVQOLQPPEPDGLFLVREARHPEDYVLCVSFRDVHIVRLHRDGHIT 179 Db 121 MPWFHGKTSQEAQVQOLQPPEPDGLFLVREARHPEDYVLCVSFRDVHIVRLHRDGHIT 180 ; Query 180 IDEAVFFCNIMDMVHYSKQKGATCTKLVPKRKGTSEEELARAGMILNQHTLGA 239 Db 181 IDEAVFFCNIMDMVHYSKQKGATCTKLVPKRKGTSEEELARAGMILNQHTLGA 240

RESULT 7 ; US-08-876-882-2 ; Sequence 2, Application US/08876882 ; Patent No. 5981201 ; General Information: ; APPLICANT: Avraham, Hava ; APPLICANT: Groopman, Jerome E. ; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT ; TITLE OF INVENTION: OF BREAST CANCER ; NUMBER OF SEQUENCES: 9 ; CORRESPONDENCE ADDRESS: ; ADDRESS: Hamilton, Brook, Smith & Reynolds P.C. ; STREET: Two Militia Drive ; CITY: Lexington ; STATE: MA ; COUNTRY: USA ; ZIP: 02173-4799 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Diskette ; COMPUTER: IBM Compatible ; OPERATING SYSTEM: Windows ; SOFTWARE: FastSEQ for Windows Version 2.0b ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08876,882 ; FILING DATE: 16-JUN-1997 ; CLASSIFICATION: 435 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: 60/035,228 ; FILING DATE: 08-JAN-1997 ; ATTORNEY/AGENT INFORMATION: ; NAME: Doreen, Hragie M. ; REFERENCE NUMBER: 36,361 ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: 781-61-6240 ; TELEX: 781-61-9540 ; INFORMATION FOR SEQ ID NO: 2: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 528 amino acids ; TYPE: amino acid ; STRANDEDNESS: Single ; TOPOLOGY: linear ; MOLECULE TYPE: protein ; FRAGMENT TYPE: internal ; US-08-876-882-2

Query Match 91.1%; Score 2434.5; DB 2; Length 528; Best Local Similarity 93.3%; Pred. No. 4.5e-199; Matches 472; Conservative 1; Mismatches 18; Indels 15; Gaps 3;

Query Match 75.3%; Score 2012; DB 4; Length 386; Best Local Similarity 100.0%; Pred. No. 2.8e-63; Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0; ; Query Match 75.3%; Score 2012; DB 4; Length 386; Best Local Similarity 100.0%; Pred. No. 2.8e-63; Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 122 WFGHKTSQEAQVQOLQPPEPDGLFLVREARHPEDYVLCVSFRDVHIVRLHRDGHIT 181 Db 1 WFGHKTSQEAQVQOLQPPEPDGLFLVREARHPEDYVLCVSFRDVHIVRLHRDGHIT 60 ; Query 182 EAFFCNIMDMVHYSKQKGATCTKLVPKRKGTSEEELARAGMILNQHTLGA 241 Db 61 EAFFCNIMDMVHYSKQKGATCTKLVPKRKGTSEEELARAGMILNQHTLGA 120 ; Query 242 GEGGRGAVIQLQEYIGQKVAVNKTQDVTQAQFEDTAINTKQHENYLRLGVLHQIY 301 Db 121 GEGGRGAVIQLQEYIGQKVAVNKTQDVTQAQFEDTAINTKQHENYLRLGVLHQIY 180 ; Query 302 IVMHEVKSGNLVNLTRGRALVNTAQIQLQFSLHVAEGMEYLESKKLVHDLARNILS 361 Db 181 IVMHEVKSGNLVNLTRGRALVNTAQIQLQFSLHVAEGMEYLESKKLVHDLARNILS 240 ; Query 362 EDLPAKVSFGLAKARKEKDLSRSLPVKWTPEAKLHGKFTSKSDWMPGVLMWEFSG 421 Db 241 EDLPAKVSFGLAKARKEKDLSRSLPVKWTPEAKLHGKFTSKSDWMPGVLMWEFSG 300 ; Query 422 RAPYKPKMSLKEVSEAVEKGYRMPEPGEPEGPVHIMSSCWEARPARPPRPLAKLARE 481 Db 301 RAPYKPKMSLKEVSEAVEKGYRMPEPGEPEGPVHIMSSCWEARPARPPRPLAKLARE 360 ; Query 482 LRSAGA-PASGQDADGSTSPRSQP 507 Db 361 LRSAGA-PASGQDADGSTSPRSQP 386

RESULT 9
US-09-741-154-2
; Sequence 2, Application US/09741154
; Patent No. 6437110
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO1061
; CURRENT APPLICATION NUMBER: US/09/741,154
; NUMBER OF SEQ ID NOS: 4
; TITLE OF INVENTION: THEREOF
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Human
; US-09-741-154-2

Query Match 75.3%; Score 2012; DB 4; Length 415;
Best Local Similarity 100.0%; Pred. No. 3 1e-163; Mismatches 0; Indels 0; Gaps 0;
Matches 386; Conservative 0; MisMatch 0; Del 0; Insert 0;

QY 122 WFGKISGEAVAOQLQPBDGLEYRSEARHPDGYVLCVSFRGDVITYVRHRDGHITD 181
Db 30 WFHGKISGQEAQOQLQPBDGLEYRSEARHPDGYVLCVSFRGDVITYVRHRDGHITD 89

QY 182 EAIVFCNLMDMVEIYSKOKGAICITKLVPRKRKGTKSAEELARAGMLNQHLTGAQI 241
Db 90 EAIVFCNLMDMVEIYSKOKGAICITKLVPRKRKGTKSAEELARAGMLNQHLTGAQI 149

QY 242 GEGERFGAVIQGEVILQGKQAVAKNJKCDVTAQAFLDETAVMTKQHENYVRLGVLHOGY 301
Db 150 GEGERFGAVIQGEVILQGKQAVAKNJKCDVTAQAFLDETAVMTKQHENYVRLGVLHOGY 209

QY 302 IVMEHVSKGNLVPLTRGRALVNTAQIQLQFSLHVARGMEYLRSKKLVRHDLAARNLVS 361
Db 210 IVMEHVSKGNLVPLTRGRALVNTAQIQLQFSLHVARGMEYLRSKKLVRHDLAARNLVS 269

QY 362 EDIVAKVSDIFGLAKAERKGKDSSRLPVMTAPALKGKFTSKSDWWSFGVLMWEFSYG 421
Db 270 EDIVAKVSDIFGLAKAERKGKDSSRLPVMTAPALKGKFTSKSDWWSFGVLMWEFSYG 329

QY 422 RAYPKMSLKEVSEAVEKGYMEPPCGPPGVHLMSCWEAPRPPFRKLAKEKLAKE 481
Db 330 RAYPKMSLKEVSEAVEKGYMEPPCGPPGVHLMSCWEAPRPPFRKLAKEKLAKE 389

QY 482 LRAAGAPASVSGODADSTSPSQEP 507
Db 390 LRSAGAPASVSGODADSTSPRSQEP 415

RESULT 10
US-08-604-989A-3
; Sequence 3, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; OPERATING SYSTEM: DOS

Query Match 47.5%; Score 1269; DB 2; Length 246;
Best Local Similarity 100.0%; Pred. No. 2.8e-100; Mismatches 0; Indels 0; Gaps 0;
Matches 246; Conservative 0; MisMatch 0; Del 0; Insert 0;

QY 233 QHLTGQIQRGEGBGAVALQGQYLGQYAVAKNIKCDVTAQAFLDETAVMTKQHENYVRL 292
Db 1 QHLTGQIQRGEGBGAVALQGQYLGQYAVAKNIKCDVTAQAFLDETAVMTKQHENYVRL 60

QY 293 GVILHOGLYIVMEHVGKGNLVPLTRGRALVNTAQIQLQFSLHVARGMEYLRSKKLVRHD 352
Db 61 GVILHOGLYIVMEHVGKGNLVPLTRGRALVNTAQIQLQFSLHVARGMEYLRSKKLVRHD 120

QY 353 LAARNLIVSEDIYVAKTSDFGLAKAERKGKDSSRLPVMTAPALKGKFTSKSDWWSFGV 412
Db 121 LAARNLIVSEDIYVAKTSDFGLAKAERKGKDSSRLPVMTAPALKGKFTSKSDWWSFGV 180

QY 413 LIWEVSYGRAPYPKNSLKEVSEAVEKGYMEPPCGPPGVHLMSCWEAPRPPFR 472
Db 181 LIWEVSYGRAPYPKNSLKEVSEAVEKGYMEPPCGPPGVHLMSCWEAPRPPFR 240

QY 473 KLAEKU_ 478
Db 241 KLAEKU_ 246

RESULT 11
US-08-426-509A-7
; Sequence 7, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ulrich,, Axel
; APPLICANT: Gribiszky, Mikhail
; APPLICANT: Suris, Iman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/426,502A
 FILING DATE: 21-APR-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/232,545
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-0074-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-750-9090
 TELEFAX: 212-869-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 450 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: No. 6326469e
 ; US-08/426,509A-7

Query Match 46.6%; Score 1245.5; DB 4; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.3e-98;
 Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTCITKCCHRTRPKPGLAFRKGDGVVTLAECKNSWYRKHHTSGEGLLAGALR 106
 Db 8 WPSGTCTAKTNFHGTAEQDLPFCGKVNTIVATKDPNWYKAKNRY-GREGITPANYQ 66

Qy 107 BREALSDAPKLSIMPWPHGKISQEAQVQLOQQPEDGLFLVRESARHPGDKVLCVSPGRDV 166
 Db 67 KREGVKGTKLUSLMPWPHGKTRQAERLLPPETGLFLVRESTRNGFDTILCVSCDGKV 126

Qy 167 IHYRLHRDGHLTIDRAVFENIMDVKMVEHHYKDKGAICTKLVRPKRKHGKTSABEBLARA 226
 Db 127 EHYRIMTHASKSISDEEVFENIMDVKMVEHHYKDKGAICTKLVRPKRKHGKTSABEBLARA 186

Qy 227 GWLNLIQHLTIGAQIGERGEFGVLOQGEYLGQKAVAKNIKDVTQAFDLSVAMTKMHE 286
 Db 187 GWALMKELKLUQTICKGEGFDVMDYDGRNKAVAKCIIKONATAQAFALASVMTOLRHIS 246

Qy 287 NIVRLGVLHQ-GLYIYMEHVKSGNUINPLRGRALVNTAQIQLQSHVAEGMEYLE 344
 Db 247 NIVOLQLGIVIYEKGKGYIVTEYMAKSILVYLRSRGKSVLGGDCUJKFSVDCEAMEYLE 306

Qy 345 SKKLVRHDLAARNLTVSEDLVAKVSDFGJAKAERKGKLDSSRLPKWTAPEALKFKST 404
 Db 307 GNNFVRDIAARNLVSEDLVAKVSDFGJAKAERKGKLDSSRLPKWTAPEALKFKST 366

Qy 405 SDWWSFGVLLWEVFSYGRAPYKPMISKEVERAVERKGRMPPGPGPVHLMSSCWEAE 464
 Db 367 SDWWSFGVLLWEVFSYGRPVPYRIPRFLDVPRVKYKMDAPDGCPPAVYEVUMKNWHLD 426

Qy 465 PARRPFKAEKL 478
 Db 427 AAMRPSFLQREQL 440

RESULT 12
 ; Sequence 7, Application US/08232545
 ; Patent No. 6506578
 ; GENERAL INFORMATION:
 ; APPLICANT: Ulrich, Axel
 ; APPLICANT: Gishizaki, Mikhail
 ; APPLICANT: Sures, Iman G.
 ; TITLE OF INVENTION: No. 6505578e1 Megakaryocytic Protein Tyrosine
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: Pennie & Edmonds

Query Match 46.6%; Score 1245.5; DB 4; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.3e-98;
 Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTCITKCCHRTRPKPGLAFRKGDGVVTLAECKNSWYRKHHTSGEGLLAGALR 106
 Db 8 WPSGTCTAKTNFHGTAEQDLPFCGKVNTIVATKDPNWYKAKNRY-GREGITPANYQ 66

Qy 107 BREALSDAPKLSIMPWPHGKISQEAQVQLOQQPEDGLFLVRESARHPGDKVLCVSPGRDV 166
 Db 67 KREGVKGTKLUSLMPWPHGKTRQAERLLPPETGLFLVRESTRNGFDTILCVSCDGKV 126

Qy 167 IHYRLHRDGHLTIDRAVFENIMDVKMVEHHYKDKGAICTKLVRPKRKHGKTSABEBLARA 226
 Db 127 EHYRIMTHASKSISDEEVFENIMDVKMVEHHYKDKGAICTKLVRPKRKHGKTSABEBLARA 186

Qy 227 GWLNLIQHLTIGAQIGERGEFGVLOQGEYLGQKAVAKNIKDVTQAFDLSVAMTKMHE 286
 Db 187 GWALMKELKLUQTICKGEGFDVMDYDGRNKAVAKCIIKONATAQAFALASVMTOLRHIS 246

Qy 287 NIVRLGVLHQ-GLYIYMEHVKSGNUINPLRGRALVNTAQIQLQSHVAEGMEYLE 344
 Db 247 NIVOLQLGIVIYEKGKGYIVTEYMAKSILVYLRSRGKSVLGGDCUJKFSVDCEAMEYLE 306

Qy 345 SKKLVRHDLAARNLTVSEDLVAKVSDFGJAKAERKGKLDSSRLPKWTAPEALKFKST 404
 Db 307 GNNFVRDIAARNLVSEDLVAKVSDFGJAKAERKGKLDSSRLPKWTAPEALKFKST 366

Qy 405 SDWWSFGVLLWEVFSYGRAPYKPMISKEVERAVERKGRMPPGPGPVHLMSSCWEAE 464
 Db 367 SDWWSFGVLLWEVFSYGRPVPYRIPRFLDVPRVKYKMDAPDGCPPAVYEVUMKNWHLD 426

Qy 465 PARRPFKAEKL 478
 Db 427 AAMRPSFLQREQL 440

RESULT 13
 ; Sequence 5, Application US/0947070881
 ; Patent No. 668538
 ; GENERAL INFORMATION:

; APPLICANT: CHERESH, David A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF
; ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR
; FILE OF INVENTION: YES TYROSINE KINASES
; CURRENT APPLICATION NUMBER: US/09/470, 881
; CURRENT FILING DATE: 1999-12-22
; PRIORITY NUMBER: PCT/US99/11780
; PRIORITY FILING DATE: 1999-05-28
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO: 5
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-470-881-5

Query Match 45.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98; Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGQOCITKCEHTRPKPGLAFRKGDVTLAECNSKWYRVKHHTSCQEGILAAGAUR 106
Db 8 WPSGECIAKYNFHGTAEQDLPCKGDUVATVKPWNVKAKNV-GREGIIPANVQ 66
Qy 107 EREALSADPKLISLMPWPHGKTSQOEAVQOLQPPEGLFVRESAHPSGYVLCVSGRDV 166
Db 67 KREGVAGTKLISLMPWPHGKTRQEAERLPPETGLFLVRESTNYPGYTLCVSCDGKV 126
Qy 167 IHRVLRHDGHLTIDBAVFFCNLMDDWHEYSKDKGAICTKLVRPKRGHTSKAEEELARA 226
Db 127 EHRYIMTHASKUSIDEDEVYFENIMLQVLEHYTSDADDGCLTRLIKPKMEGVAADEFYRS 186

Qy 227 GWLNLQHLTGAQIGEGERGAVLOGEYLGQKAVKNIKCDVTAQFLDETAWTMKGHE 286
Db 187 GWALNMKELKLUQOTIGKGRFGDVMLGDXYRGNKVAVKCINQDATAQAFLAESTNTQLRHS 246

Qy 287 NLVRLLGVIHQ-GLYIUMHEVFSKGNLNFRLTRGRALVNTAQOLOLQSLHVABGEMYLE 344
Db 247 NLVQPLGIVIVEKGGLYIVTEYMAKSIDLTDLSRGRSISLGCGLUKLSIDVCAEMYLE 306

Qy 345 SKKLYHRDLAARNLTSBDEVAKYSDFGHLAKAERKGDSLPSRLPVWTAPALEKHGFETSK 404
Db 307 GNNFVRHDILAKARNLVSDBNVAKVSDFGLTKEASSTDGTGKLPVKWTAPELKETSK 366

Qy 405 SDWMSFGVLLWEVSYGRAPYKPKMSIKVESEAVEKSYMRMEPGCGPGVHVLMSWEAE 464
Db 367 SDWMSFGILLWELYSGRVYPRIPKDQVPRVEKGYKMDAPDGCPAPAYEVKNCWILD 426

Qy 465 PARRPPPKLAEKU 478
Db 427 AMRPSFLQRLREQ 440

RESULT 14
; Sequence 7, Application PC/TUSS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften B.V.
; APPLICANT: Hoffgarten Str. 2
; APPLICANT: München 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:

ADRESSEE: Pennie & Edmonds
STREET: 115 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS DOS
SOFTWARE: Patentin Release #1.0, Version #1.2.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 450 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
; PCT-US95-05008-7

Query Match 46.6%; Score 1245.5; DB 5; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98; Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGQOCITKCEHTRPKPGLAFRKGDVTLAECNSKWYRVKHHTSCQEGILAAGAUR 106
Db 8 WPSGECIAKYNFHGTAEQDLPCKGDUVATVKPWNVKAKNV-GREGIIPANVQ 66
Qy 107 EREALSADPKLISLMPWPHGKTSQOEAVQOLQPPEGLFVRESAHPSGYVLCVSGRDV 166
Db 67 KREGVAGTKLISLMPWPHGKTRQEAERLPPETGLFLVRESTNYPGYTLCVSCDGKV 126
Qy 167 IHRVLRHDGHLTIDBAVFFCNLMDDWHEYSKDKGAICTKLVRPKRGHTSKAEEELARA 226
Db 127 EHRYIMTHASKUSIDEDEVYFENIMLQVLEHYTSDADDGCLTRLIKPKMEGVAADEFYRS 186

Qy 227 GWLNLQHLTGAQIGEGERGAVLOGEYLGQKAVKNIKCDVTAQFLDETAWTMKGHE 286
Db 187 GWALNMKELKLUQOTIGKGRFGDVMLGDXYRGNKVAVKCINQDATAQAFLAESTNTQLRHS 246

Qy 287 NLVRLLGVIHQ-GLYIUMHEVFSKGNLNFRLTRGRALVNTAQOLOLQSLHVABGEMYLE 344
Db 307 GNNFVRHDILAKARNLVSDBNVAKVSDFGLTKEASSTDGTGKLPVKWTAPELKETSK 366

Qy 345 SKKLYHRDLAARNLTSBDEVAKYSDFGHLAKAERKGDSLPSRLPVWTAPALEKHGFETSK 404
Db 367 SDWMSFGILLWELYSGRVYPRIPKDQVPRVEKGYKMDAPDGCPAPAYEVKNCWILD 426

Qy 405 SDWMSFGVLLWEVSYGRAPYKPKMSIKVESEAVEKSYMRMEPGCGPGVHVLMSWEAE 464
Db 427 AMRPSFLQRLREQ 440

Search completed: May 24, 2004, 08:19:21
 Job time : 24 sec

RESULT 15
 US-08-701-191A-35
 Sequence 35 Application US/08701191A
 Patent No. 5942428
 GENERAL INFORMATION:
 APPLICANT: Moosa Mohammadi, Joseph Schlessinger,
 ADDRESS: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: PastSeq for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08701,191A
 FILING DATE: August 21, 1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 227/088
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 35:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 269 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ;US-08-701-191A-35

Query Match 29.8%; Score 797; DB 2; Length 269;
 Best Local Similarity 58.7%; Pred. No. 4.9e-60;
 Matches 152; Conservative 46; Mismatches 59; Indels 2; Gaps 1;

QY 222 BLARAGWILNLQHQLTIGAQIGEGERGAVLQGEGYIQLQKAVAKNIKCDVTAQAFQDEBAAWT 281
 1 EPYRGWALMKMKEKLQTTGKGECGDVMDYRKNVAKCIRKDATAQAFQFLAREASWT 60
 QY 282 KMOHENLVLRLGVLHQ--GLYVYMEHVHSQNLNFRTRGRALVNTAQDLOFSLHVARG 339
 61 QLRHSHNLVOLIGVITVEEKGLYIVITVEMAKSGSLVLDYLRSLGRSVLGGDCLJFKSFDVCEA 120
 QY 340 MEYLIESKKVTHDLAARNVTVSLEDVAKVSDFGIKAERKGDSLRLPKWTAALKIG 399
 Db 121 MEYLIEGNNFVYHDLAARNVTVSLEDVAKVSDFGIKAERKGDSLRLPKWTAALKIG 180
 QY 400 KFTSKSDVMSFGVLMVEFYGRAPYKPSLKEVSEAEVKYRMEPPEGPGPVHIMSS 459
 Db 181 KFSTKSDVMSFGVLMVEFYGRAPYKPSLKEVSEAEVKYRMEPPEGPGPVHIMSS 240
 QY 460 CWEABPARRPPFRKLAEKL 478
 Db 241 CWHDAMRPSFLQIREQL 259